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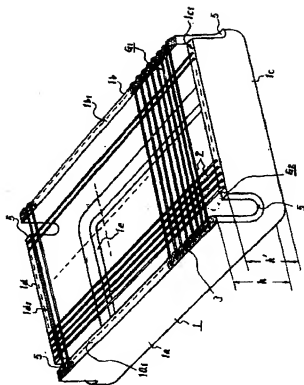
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TITLE : GRID FOR CATHODE-RAY TUBE



ABSTRACT : PURPOSE: To heighten the beam transmissivity, by laying metal wires in parallel with each other between the opposed sides of a rectangular frame so that the metal wires extend on two different planes; and by insulating the metal wires on one plane from the frame.

CONSTITUTION: Grid elements G_1 , G_2 made of metal wire 2 are laid in parallel with each other between the opposed sides 1a, 1b of a rectangular metal frame 1 and between its other opposed sides 1c, 1d. The grid elements G_1 , G_2 are secured on the edges 1a₁-1d₁ of the sides of the frame 1 so that the grid elements are tightened. The height h_1 of the opposed frame sides 1a, 1b is made different from that h_2 of the other opposed frame sides 1c, 1d so that the grid elements G_1 , G_2 extend on different planes. The grid elements G_1 are electrically insulated from the frame 1 by insulating cement 3 to enable after-acceleration. According to this constitution, the grid interval can be increased to heighten the brilliance.

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